

METHOD FOR OPTIMIZING STRATEGY FOR ELECTRIC MACHINES

Abstract of Disclosure

A method is provided to facilitate optimizing a winding and lamination configuration an electric machine. The method employs a computer including a microprocessor for executing computer functions, a database for storing optimization data, and a two-level optimization algorithm that has a first optimization module and a second optimization module. The method includes generating a plurality of data sets utilizing the first determining an optimum response surface based the data sets, utilizing the second module, determining an optimum data set based on the optimum response surface, utilizing the first module, and outputting an optimum winding and lamination configuration based on the optimum data set.

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Figures

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